

WHAT IS CLAIMED IS:

1. A rolling bearing ring of a constant velocity joint, employing steel of a component composition containing at least, as alloying elements, at least 0.5 mass % and 0.7 mass % at most of carbon, at least 0.5 mass % and 1.0 mass % at most of silicon, and at least 0.5 mass % and 1.0 mass % at most of manganese with a remainder including iron and inevitable impurities, and having a structure in which a raceway surface is subjected to induction hardening.

2. The rolling bearing ring of a constant velocity joint according to claim 1, wherein steel is employed having a component composition satisfying $L \geq 50$ in an equation of:

$$L = 105.4 \times (C\%)^{-0.84} \times (Si\%)^{1.18} \times (Mn\%)^{1.24}$$

where C%, Si% and Mn% are a percentage content (mass %) of carbon, silicon and manganese, respectively.

3. A support component of rolling and swinging motion, comprising the rolling bearing ring of a constant velocity joint defined in claim 1.